centro mario molina

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Project Proposals for Imperial-Mexicali Air Quality Task Force

Area of Interest: Emissions Inventory; Project title: Update and systematization of the MMA Emissions Inventory

All cities today have to face local and global sustainability challenges, such as implementing effective mitigation of air pollution and greenhouse gas emissions. In order to enable them to achieve these goals, the first and most important tool they need is a systematized and easy to update tool to quantify their emissions.

This tool will not only allow the identification of the specific activities towards which mitigation efforts should focused, but also to establish concrete indicators and goals that allow them to monitor the progress of their fulfillment. Likewise, the systematization of the inventory will allow its future update to be more efficient, easier and faster.

The inventory resulting from this proposal will be developed following the methodologies approved by the EPA, so that it fully complies with all its requirements, and will take the Inventory of the City of Mexicali prepared in 2009 as a starting point.

Thus, this inventory will include all relevant pollutant emissions of interest in the context of Air Quality and Climate Change Management perspectives, that is, Nitrogen Oxides (NOx), Sulfur Dioxide (SO2), Volatile Organic Compounds (VOC) , Carbon monoxide (CO), Particulate matter (PM) with an aerodynamic diameter of less than 10 micrometers (PM10), and PM2.5, Ammonia (NH3), Methane (CH4) and Carbon Dioxide equivalent (CO2 eq).

The main task that this proposal are:

Task 1. Compilation of basic information for the quantification of emissions

Task 2. Development of the platform to gather and systematize all information

Task 3. Calculate future emissions projections (2030, 2040)

Task 4. Integration of the results report

Task 5. Presentation and training for the use of the platform

The budget required to carry out this project is 48,500 American dollars, (1 million Mexican pesos), and the execution time is 12 months.

Kind Regards

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